

Converting Colors

$Y_{xy}(39.7130, 0.2330, 0.2700)$

Have a look what the booklet for
Yxy(39.7130, 0.2330, 0.2700)
contains.

Yxy(39.8388, 0.2333, 0.2709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8388, 0.2333, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	67B2DB
RGB	103, 178, 219
RGB Percent	40%, 70%, 86%
CMY	0.5957, 0.3020, 0.1411
CMYK	0.53, 0.19, 0.00, 0.14
HSL	201°, 62%, 63%
HSV	201°, 53%, 86%
XYZ	34.3093, 39.8388, 72.9128
YIQ	160.2490, -57.8610, -3.1490

Conversions

Conversions Part 2

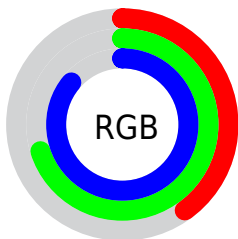
Format	Color
RYB	103, 149, 219
Decimal	6795995
CIELab	69.35, -11.90, -27.81
CIElCh	69, 30.251, 246.839
Yxy	39.8388, 0.2333, 0.2709
Android (android.graphics.Color)	4284986075 (0xFF67B2DB)
YUV	160.2490, 28.9642, -50.2074
Hunter-Lab	63.1180, -13.4285, -24.3082

Details

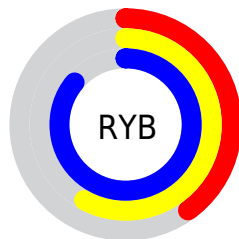
The Yxy color **39.8388, 0.2333, 0.2709** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.0281, 0.4372, 0.3780**, and the grayscale version is **35.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6427, 0.2576, 0.3051**, and **17.7789, 0.2112, 0.2525** is the 20% darker color. If you saturate the color by 10%, you get **35.7110, 0.2208, 0.2576**, and if you desaturate by 10%, it is **44.4831, 0.2471, 0.2837**.

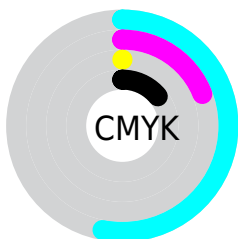
Distribution



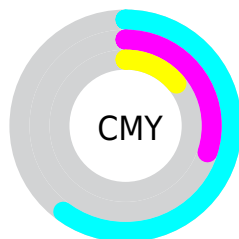
- Red (40%)
- Green (70%)
- Blue (86%)



- Red (40%)
- Yellow (58%)
- Blue (86%)



- Cyan (53%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8388, 0.2333, 0.2709 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 39.8388, 0.2333, 0.2709 by changing the saturation by 10% instead.

■ 39.8388, 0.2333,
0.2709

■ 39.8388, 0.2333,
0.2709

■ 345.4437, 0.2726,
0.3008

■ 27.4129, 0.2237,
0.2633

■ 74.9180, 0.2474,
0.2819

■ 17.8836, 0.2116,
0.2535

■ 98.3400, 0.2528,
0.2860

■ 10.8664, 0.1960,
0.2404

■ 126.1963, 0.2573,
0.2895

■ 5.9771, 0.1749,
0.2222

■ 158.8710, 0.2613,
0.2924

■ 2.8311, 0.1458,
0.1958

■ 196.7488, 0.2647,
0.2950

■ 1.0442, 0.1033,
0.1554

■ 240.2139, 0.2677,

■ 0.0000, 0.0000,

0.2972

0.0000

289.6507, 0.2703,
0.2991

■ 39.8388, 0.2333,
0.2709

■ 39.8388, 0.2333,
0.2709

■ 35.7110, 0.2208,
0.2576

■ 44.4831, 0.2471,
0.2837

■ 32.0654, 0.2101,
0.2439

■ 49.6665, 0.2619,
0.2957

■ 28.8693, 0.2013,
0.2302


■ 55.4151, 0.2772,
0.3069


■ 26.0822, 0.1947,
0.2167


■ 61.7518, 0.2928,
0.3172

■ 24.3130, 0.1909,
0.2074

■ 68.6979, 0.3082,
0.3265

 76.2737, 0.3234,
0.3348

 84.2310, 0.3371,
0.3423

 88.6984, 0.3360,
0.3498

 93.3608, 0.3349,
0.3573

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.8388, 0.2335, 0.3014



39.8388, 0.2333, 0.2709



39.8388, 0.2523, 0.2578

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.8388, 0.2333, 0.2709



39.8388, 0.3743, 0.3112



39.8388, 0.3331, 0.4079

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.8388, 0.2333, 0.2709



36.0281, 0.4372, 0.3780

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.8388, 0.3733, 0.4046



39.8388, 0.2333, 0.2709



39.8388, 0.3989, 0.3467

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.8388, 0.2333, 0.2709



39.8388, 0.3325, 0.2811



39.8388, 0.3981, 0.3807



39.8388, 0.2892, 0.3852

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.8388, 0.2333, 0.2709



39.8388, 0.2743, 0.2587



39.8388, 0.3981, 0.3807



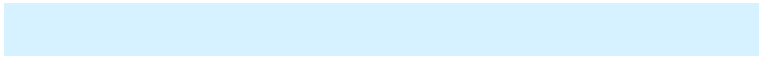
39.8388, 0.3476, 0.4096

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.8403, 0.2333, 0.2709



84.1961, 0.2878, 0.3140



55.5661, 0.2840, 0.4389



17.6212, 0.2845, 0.3119



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8403, 0.2333, 0.2709



49.5250, 0.2190, 0.2554



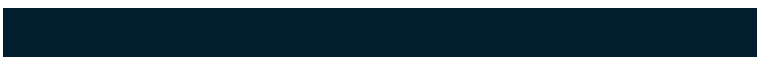
21.5529, 0.2159, 0.1849



14.0136, 0.2982, 0.3205



14.6267, 0.1915, 0.2094



1.1076, 0.1975, 0.2311

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9954, 0.3649, 0.2426



32.9217, 0.3817, 0.2278



58.1125, 0.3989, 0.4399



13.1925, 0.3191, 0.3140



10.1003, 0.4348, 0.2169



0.6705, 0.4115, 0.2040

Previews

White Background



This preview shows how the Yxy color 39.8388, 0.2333, 0.2709 looks on a white background.

Color Contrast Check

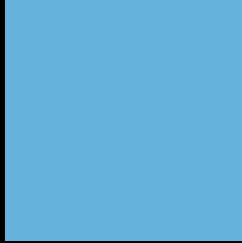
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 39.8388, 0.2333, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8388, 0.2333, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 39.8388, 0.2333, 0.2709.



This preview shows how white text looks on a background with the Yxy color 39.8388, 0.2333, 0.2709.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.8388, 0.2333, 0.2709

Protanopia

39.6097, 0.2709, 0.2704

Deuteranopia

39.6143, 0.2619, 0.2560



Tritanopia

39.9200, 0.2419, 0.3063

Trichromacy



Original Color

39.8388, 0.2333, 0.2709

Protanomaly

39.3841, 0.2550, 0.2701

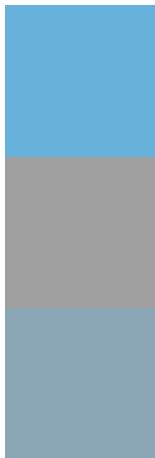
Deuteranomaly

39.2883, 0.2499, 0.2601

Tritanomaly

40.0522, 0.2389, 0.2936

Monochromacy



Original Color

39.8388, 0.2333, 0.2709

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.4626, 0.2773, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8388, 0.2333, 0.2709 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(103, 178, 219)` looks like.

```
.text, #text, p{  
    color:rgb(103, 178, 219)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(103, 178, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 178, 219) }
```

Border

The CSS property to change the border of an element to Yxy 39.8388, 0.2333, 0.2709 is called "border". The border property can be set on classes, ids or directly on the HTML element.

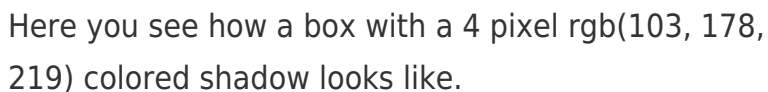
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 178, 219) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(103, 178, 219) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(103, 178, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 178, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 178, 219);  
box-shadow:4px 4px 4px 4px rgb(103, 178,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8388, 0.2333, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 178, 219) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(103,  
178, 219) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor